A.2
9/13/99

URS Greiner Woodward Clyde **Memorandum**

To: Jon Peterson
U.S. EPA

From: John Seymour

Office: Detroit

Date: September 13, 1999
9/16/99 Revised

Subject: Change Request to Construct a Berm to Divert Surface Water, Albion-Sheridan Township Landfill, Calhoun County, MI

Revised

The attached Initiator Change Order Request is attached for your review. I will distribute it to other parties, after your review; let me know who should get it prior to finalization. I will distribute it to all parties after finalization

Please call me at (313) 961-9797 if you have any questions.

Attachment

cc: T. Hicks
M. Schafer (DEQ)

A.2
9/13/99

INITIATOR CHANGE ORDER REQUEST

URSGWC Letter ID: ASTL0053
Date: 8 September 1999

Project Title: Albion Sheridan Township Landfill (ASTL)

Project No.: M5060701300 00021

Contractor: O&M Remediation Services Corp. / IT Group

Proposed By: Tim Hicks, Resident Engineer

Submitted To: URS Greiner Woodward Clyde - Minneapolis, Design Eng.

1. Actual job condition in area of proposed change:
The gas collection/foundation layer sand has been constructed to the grades shown on the design drawings and the 40 mil smooth geotextile has been installed.

Surface water over a one acre area of the landfill cap currently will flow to the northwest to an off site low area. See attached sketches for area of concern. The design of the rest of the landfill cap directs surface water flow to on site stormwater detention basins or to other areas on site as sheet flow.

2. Change Order Request and Justification:
The surface water from the one acre area should be directed to an on site area instead of to the off site area. A berm and ditch should be constructed outside of the limit of the landfill FML anchor trench to divert the sheet flow to the north end of the landfill property outside of the landfill cap. The approved Design Report (Woodward-Clyde Consultants, 1997) p ides for sheet flow of surface water from the western side and northern end of the landfill cap. The hydraulic design compensates for the sheet flow runoff. Because there is little run off, even using the 100-yr, 24-hr design storm event, the area to the north can receive the additional run off from the one-acre area. See Attachment B for Design Report excerpts.

3. Description of Work to be performed:

Construct a berm with a 2% flowline slope to the north end of the site, along the affected area. See attached drawing for location and details.

Estimated construction cost of change: $5,000.00

RECOMMENDED BY: Tim Hicks / TH — DATE: 9/13/99
Resident Engineer (Authorized Signature)

ACCEPTED BY: _____ DATE: 9/13/99
Design Engineer (Authorized Signature)

APPROVED BY: _____ DATE: 9/13/99
Project Coordinator (Authorized Signature)

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